BRUHAT BANGALORE MAHANAGARA PALIKE

WARD NO.07, BYATARAYANAPURA

Name of work: Establishment of RO plant, children play euipments and open gym equipments in Jakkur Layout in ward no.07 Byatarayanapura Kodigehalli Sub Division.

P-code:- 2652

Est cost:50.00 lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of Work: Estimate for Construction of Shead and Providing RO Plant at Jakkur Layout in W..rd No. 07, Byatarayanapura

								Est Cost Rs.	5000000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1 : Earthwork in surface excavation in **ordinary soil** for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1 **Page No. 5 / Item No. 2.1 of PWD SR 2016-17**									
	For open gym and children play equipments		4	0.45	0.45	0.30	0.24		
	Over burden earth		2	30	1.5	1.00	90.00		
	Desilting of drains		2	285	0.6	0.60	205.20		
	Basic rate	157.00					**295.44**	166.42	**49168.00**
	Add A.W. 6%	9.42							
	Total	**166.42**							
2	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.3 of PWD SR 2016-17**									
	For open gym and children play equipments		4	0.45	0.45	0.15	0.12		
	Basic rate	4867.00					**0.12**	5159.02	**627.00**
	Add A.W. 6%	292.02							
	Total	**5159.02**							
3	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation, plinth and cills**, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.6 PWD SR 2016-17**									
	For open gym and children play equipments		4	0.45	0.45	0.2	0.12		
	Basic rate	5441.00					**0.12**	5767.46	**701.00**
	Add A.W. 6%	326.46							
	Total	**5767.46**							
4	Providing and fixing open gym euipments and children play equipments in Amruthalli.,								
		1	TMP 013 WONDER				1	1866124.00	1866124.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
		1	Combination MULTI 8-IN				1	182114.00	182114.00
		1	Combination MULTI 8-IN				1	148748.00	148748.00
	ROOM FOR RO PLANT			**Add 18% GST Charges**					395457.48
5	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 **Page No. 5 / Item No. 2.3 of PWD SR 2016-17**									
	Centre Line		1	19.50	1.00	1.00	19.50		
	Columns		4	1.50	1.50	1.50	13.50		
							33.00		
							33.00	204.12	6736.00
	Basic Rate	189.00							
	Area Weightage @ 8%	15.12							
	Total	**204.12**							
6	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.3 of PWD SR 2016-17**									
	Wall Portion		1	19.50	0.90	0.15	2.63		
	For Flooring		4	1.35	1.35	0.15	1.09		
			1	4.70	4.75	0.20	4.47		
							8.19		
							8.19	5256.36	43055.00
	Basic Rate	4867.00							
	Area Weightage @ 8%	389.36							
	Total	**5256.36**							
3	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6, stone** hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 23 / Item No. 5.6, PWD SR 2016-17**									
	Wall Portion		1	19.50	0.75	1.50	21.94		
	Deduction for Columns		4	1.20	0.45	1.50	-3.24		
							18.70		
							18.70	4521.96	84549.00
	Basic Rate	4187.00							
	Area Weightage @ 8%	334.96							
	Total	**4521.96**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not ss than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 23 / Item No. 5.9, PWD SR 2016-17**								
	Wall Portion		1	19.50	0.60	1.50	17.55		
			1	19.50	0.45	1.00	8.78		
	Deduction for Columns		4	1.20	0.45	2.50	-5.40		
							20.93		
							20.93	5405.40	113108.00
	Basic Rate	5005.00							
	Area Weightage @ 8%	400.40							
	Total	**5405.40**							
5	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications **Page No. 113 / Item No. 15.1, PWD SR 2016-17**								
			2	5.00		2.00	20.00		
			2	5.05		2.00	20.20		
	Deduct Columns Portion		4	0.60		2.00	-4.80		
	Basic Rate	97.00					**35.40**	104.76	3709.00
	Area Weightage @ 8%	7.76							
	Total	**104.76**							
6	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. No. KBS 2.9, **Page No. 6 / Item**								
			Qty Vide Item No. 1				33.00		
			1	4.70	4.75	2.00	44.65		
	Basic Rate	127.00					**77.65**	137.16	10650.00
	Area Weightage @ 8%	10.16							
	Total	**137.16**							
7	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of Design mix M20** with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc.,** including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 12, Item No. 4.11, PWD SR 2016-17**								
	Column Footing		4	1.35	1.35	1.00	7.29		
			4	0.45	0.15	7.50	2.03		
	Plinth Beam		1	19.50	0.15	0.30	0.88		
	Lintels		1	19.50	0.15	0.15	0.44		
	For Flooring		1	4.70	4.75	0.10	2.23		
							12.86		
							12.86	6491.88	83510.00
	Basic Rate	6011.00							
	Area Weightage @ 8%	480.88							
	Total	**6491.88**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **- TMT bars Fe 500 Page No. 17 / Item No. 4.46.2, PWD SR 2016-17**								
	For Roof, Columns @ 100Kg / Cum		0.10	10.63			1.06		
							1.06	65455.56	69587.00
	Revised Basic Rate	60607.00							
	Area Weightage @ 8%	4848.56							
	Total	**65455.56**							
9	KSRB 4-6.4 : Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No. 15 / Item No. 4.31 PWD SR 2016-17**								
	Columns Footing		4	4.80		1.00	19.20		
			4	1.30		7.50	39.00		
	Plinth		2	19.50		0.30	11.70		
	Lintels		2	19.50		0.15	5.85		
							75.75		
							75.75	316.44	23970.00
	Basic Rate	293.00							
	Area Weightage @ 8%	23.44							
	Total	**316.44**							
10	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 25 / Item No. 5.26.2, PWD SR 2016-17**								
	Wall Portion		2	5.05		3.00	30.30		
			2	4.70		3.00	28.20		
	Parapet Wall		2	5.05		0.20	2.02		
							60.52		
	Deductions RS		1	3.00		2.10	6.30		
	V		2	0.90		0.60	1.08		
	Plinth		1	19.50		0.30	5.85		
	Lintels		1	19.50		0.15	2.93		
							-16.16		
							44.37		
							44.37	979.56	43458.00
	Basic Rate	907.00							
	Area Weightage @ 8%	72.56							
	Total	**979.56**							
	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint. **Page No. 262 / Item No. 37.4, PWD SR 2016-17**								
			3	5.20			15.60		
			3	5.30			15.90		
							31.50	349.92	11022.00
	Basic Rate	324.00							
	Area Weightage @ 8%	25.92							
	Total	**349.92**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	PROVIDING **TRAPEZOIDAL PROFILED SHEET** Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses. **Page No. 300, Item No. 38.30, PWD SR 2016-17**								
			1	5.20	5.30		**27.56**	831.60	22919.00
	Basic Rate	770.00							
	Area Weightage @ 8%	61.60							
	Total	**831.60**							
11	KSRB15-3.12 :Providing 20mm thick cement plaster in single coat with cement mortar 1:6, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114, Item No. 15.21 of PWD SR 2016-17 (Inside Plastering)**								
	Inside wall		2	4.70		3.00	28.20		
			2	4.75		3.00	28.50		
							56.70		
	Deductions - For door Doors		0.5x1	3.00		2.10	3.15		
	Door 1		0.5x2	0.90		0.60	0.54		
							-3.69		
							53.01		
							53.01	224.64	11908.00
	Basic Rate	208.00							
	Area Weightage @ 8%	16.64							
	Total	**224.64**							
12	KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. **Page No. 115, Item No. 15.33, PWD SR 2016-17**								
			Qty Vide Item No. 10+11				**53.01**	27.00	1431.00
	Basic Rate	25.00							
	Area Weightage @ 8%	2.00							
	Total	**27.00**							
13	KSRB15-3.9 :Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114 / Item No. 15.17, PWD SR 2016-17 (Outside Wall)**								
	Out Side		2	5.00		3.75	37.50		
			2	5.05		3.75	37.88		
							75.38		
	Deductions for Door		0.5x1	3.00		2.10	3.15		
	V		0.5x2	0.90		0.60	0.54		
							-3.69		
							71.69		
							71.69	213.84	15329.00
	Basic Rate	198.00							
	Area Weightage @ 8%	15.84							
	Total	**213.84**							
14	KSRB 15-14.1 : Providing and **applying two coats with oil bound washable distemper** of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. **Page No. 117 / Item No. 15.49.1, PWD SR 2016-17**								
			Qty Vide Item No.10+11				106.02		
							106.02	76.68	8130.00
	Basic Rate	71.00							
	Area Weightage @ 8%	5.68							
	Total	**76.68**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
15	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. **Page No. 117 / Item No. 15.53.2, SR 2016-17.**								
			Qty Vide Item No.12				71.69		
							71.69	90.72	**6503.00**
	Basic Rate	84.00							
	Area Weightage @ 8%	6.72							
	Total	**90.72**							
16	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (**Page No. 120 Item No. 15.74 of SR 2016-17**).								
	Out Side	2.25	1	6.00		2.10	28.35		
			2	0.90		0.60	1.08		
							29.43		
							29.43	88.56	**2606.00**
	Basic Rate	82.00							
	Area Weightage @ 8%	6.56							
	Total	**88.56**							
17	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. **(P.No. 107, I.No. 14.43 of SR 2016-17).**								
			1	4.70	4.75		22.33		
			2	4.70		0.10	0.94		
			2	4.75		0.10	0.95		
							24.22		
							24.22	1285.20	**31121.00**
	Basic Rate	1190.00							
	Area Weightage @ 8%	95.20							
	Total	**1285.20**							
18	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. **P.No. 109, I.No. 14.62 of PWD SR 2016-17**								
			2	4.00		0.60	**4.80**		
							4.80	1171.80	**5625.00**
	Basic Rate	1085.00							
	Area Weightage @ 8%	86.80							
	Total	**1171.80**							
19	KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 **steel glazed windows and ventilators** side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12.1 / 7.12.2 / 7.12.3 / 7.12 **Page No. 31, Item No. 707 PWD SR 2016-17**								
			2	0.90		1.20	**2.16**		
							2.16	3812.40	**8235.00**
	Basic Rate	3530.00							
	Area Weightage @ 8%	282.40							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	3812.40							
20	KSRB 7.5 : Providing and fixing **pull and push type rolling shutters** of approved make out of guage, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & pull operations complete including pulling hooks, 4Nos. handles with all fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM of machinery complete as per specifications. **Shutter size 3mx2.8 m.** Specification No. KBS 7.10 / 7.12. (**P.No. 31, I.No. 7.5 of CSR 2016-17**)								
			1	3.00		2.10	**6.30**		
							6.30	3090.96	19473.00
	Basic Rate	2862.00							
	Area Weightage @ 8%	228.96							
	Total	**3090.96**							
21	KSRB 7.15 : Providing, fabricating, assembling and fixing in **position aluminium partitions using aluminium sections** of mat finish or glassy finish in combination of plain grove, single grove and double grove as per requirements for the frames of overall size 63.5mm x 38.1mm. with thickness of 2mm. having section weight, plain sections 1.054kg/m, single grove thickness 1.95mm. section weight 1.094kg/m, double grove thickness 1.9mm section weight 1.094kg/m and bottom member 114.3 mm. x 44.45mm. thickness 3.18mm. weight 2.646 kg/m; aluminium louvres section of size 36.5mmx34.93mm 1.45mm. thick section weight 0.429kg/m; bottom portions provided with 12mm. thick prelaminated sheet both sides of approved colour lamination exterior grade upto 0.9m height, spacing of vertical member not exceeding 0.6 m. c to c; sections are cut to the required lengths, joints mitered and corners grinded subdividing frames tennoned and rivetted to the frames; the assembled frame stiffened with corner angles, stripped and fixed with screws, rawl plugs and teak wood gutties to R.C.C.columns on sides, R.C.C. lintels or beams at top and floor at bottom, including cutting chistelling and making good with cement mortar to match the surface; providing and fixing 5.5mm. thick plain glass for middle portion viz., 0.9m. to 2.13 m. and top panel with louvres sections; the glass and panels fitted withglazing clips of 19mmx17.3mm. of thickness 0.9mm. weight 0.124kg/ m, aluminium sections treated for removal of any rust and prevention of further rust formation, coated with greasy materials for non-adherence of mortars or any other sticky materials; vertical members embedded in the flooring by making suitable sized holes and fixing with cement mortar, with necessary opening for fixing of door of standard size (excluding cost of door) all the frame throughly cleaned, free from rust, scale or dirt including cost of materials, fixtures, labour and HOM of machinery complete as per specifications. using aluminium section anodized to 12 - 15 microns. **Page No. 35, Item No. 7.15.1 PWD SR**								
			1	4.17		2.10	**8.76**		
							35.03	3492.72	122343.00
	Basic Rate	3234.00							
	Area Weightage @ 8%	258.72							
	Total	**3492.72**							
22	**10000 LPD R.O. Plant**								
	RAW WATER PUMP:								
	Quantity : 1No.								
	Type: Centrifugal Mono Block								
	MOC & Make : UKL								
	Motor Rating : 0.75 HP								
	PRESSURE SAND FILTER:								
	Quantity : 1No.								
	Capacity : 1000 LPH								
	MOC & Make of Housing : UKL								
	MOC & Make of Cartridge : UKL								
	Capcity : 100 LPH								
	MOC & Make of Vessel : UKL								
	Diameter : 40 mm								
	Type of Valve : Single Multiport								
	media : Support bed + Sand								
	MICRON CARTRIDGE FILTER :								
	Quantity : 1 Set.								
	Filter Rating : 5 Microns								

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Size : 20 " Long								
	ANTISCALANT DOSING PUMPS:								
	Quanity : 1 Set								
	Type : Electro - magnetic								
	Capacity : 1.5 LPH @ 4 Bar								
	HIGH PRESSURE PUMP:								
	Quantity : 1 No								
	Capacity : 1700 LPH								
	Type of Pump : Vertical Multistage Centrigugal Pump								
	MOC : SS 304								
	Motor Rating : 2 HP, 3 Phase								
	Maximum Pressure : 12 Kg/ cm2								
	Make : UKL								
	RESERVE OSMOSIS SYSTEM :								
	Quantity : 1 No								
	Capacity : 1000 LPH								
	Module Type								
	Membrane Specifications {Polyamde}								
	Make of Membrane : UKL								
	UV STERILISER								
	Max. Treatment Flow : 1 m3/hr								
	No. of Lamps : 1 No								
	Wattage : 39 W								
	Efficiency : 99.99%								
	Material of Construction : SS 304								
	PRODUCT WATER QUALITY:								
	Appearance : Crystal Clear								
	Abide by the ISO Standards								
	S S Tank : 304 Grade with 16 guage 2000 liters Capacity								
	304 Grade 10 Gauage SS Pipe {with stream valve} 25 Ft								
	COIN BOOTH DISPENSING UNIT								
	for 5 Liters & 20 Ltrs Separately								
	Raw Water Stoage Tank : Dunction - for Storage of Raw Water								
	Type / MOC : Two / Three Layered PE tanks White / Transparent in color made from virgin material of food grade Quality suitabke fir the purpose of providing								
	Storage Drinking / Portable Water : 5000 Liters Capacity	Nos							
			1				**1**	946000.00	946000.00
	Approved Rate	946000.00							
	Bescom charges								25000.00
23	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 of size 450x200x400 mm and finished with CM 1:3 plastering and finishing cutting etc., complete. Page No. 25 / Item No. 5.29.1)								
		Nos					**100.00**		
							100.00	393.12	39312.00
	Basic Rate	364.00							
	Area Weightage @ 8%	29.12							
	Total	**393.12**							
24	Providing and applying ready mix priming coat over ocncrete / masonry, / asbestos cement sheet / plastered surfaces includding preparing the surface after thorougly cleaning of oil, grease, dirt and other foreign matter and sand papering including cost of materials, labour compelte as per specifications. Page No. 122 / Item No. 15.80)								
		Sqm	100.00	0.45			**222.22**		
							223.00	28.08	6262.00
	Basic Rate	26.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	2.08							
	Total	**28.08**							
25	bviding and applying spray painting in two coats (excluding priming coat) over oncrete / masonry, / asbestos cement sheet / plastered surfaces includding preparing the surface after thorougly cleaning of oil, grease, dirt and other foreign matter and sand papering including cost of materials, labour compelte as per specifications. Page No. 121 / Item No. 15.81)								
		Sqm	223.00	0.45			**495.56**		
							223.00	71.28	15895.00
	Basic Rate	66.00							
	Area Weightage @ 8%	5.28							
	Total	**71.28**							
26	KSRB 14.6.1: Providing and laying heavy cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 Kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3tons compaction force therby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, inlcuding cost of materials, labour and HOM of machineries complete as per specifications.,Pg No.101, Item No.101)								
		Sqm	10.00	8.00			**80.00**		
							80.00	966.72	77338.00
	Basic Rate	912.00							
	Area Weightage @ 6%	54.72							
	Total	**966.72**							
	Sub Total								4501723.48
	KRIDL Charges @ 10%								450172.00
	Labour Cess @ 1%								45017.00
	Misc								3087.52
								Total	5000000.00

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of PWD 2016-17 & Approved Data Rates.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

A.N.D.
Assistant Engineer
Ward No. 07

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigeahalli Sub Division

26/12
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

26/12

ADMINISTRATIVE APPROVAL
Accorded For Rs. Fifty lakhs only
Head of A/c P-2652
Div. Ref. No. 152/17-18 Dt. 26/12/17
26/12
EE(BTP) 26/12

Technical Sanction
Accorded For 50.00 Lakh Rs.
Head of A/C P/1878
CER NO : 515 Dt: 12/01/18
TA CE (YNK)